

A schematic diagram of a fluid flow cell. A rectangular chamber (101) contains a horizontal bundle of parallel lines representing a medium. To the left, a light source (104) emits three horizontal arrows labeled "LIGHT" (103) into the chamber. The top of the chamber has two vertical inlets (121) with arrows pointing down into the chamber, and two horizontal outlets (102) with arrows pointing left and right. The bottom of the chamber has two vertical outlets (122) with arrows pointing down. A large vertical arrow on the right side of the chamber is labeled "FLOW OF FLUID" and points downwards.

FIG. 2A

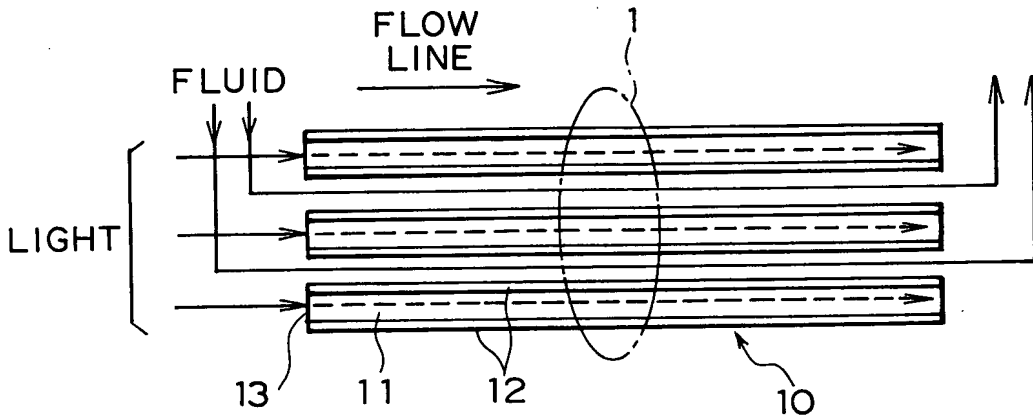


FIG. 2B

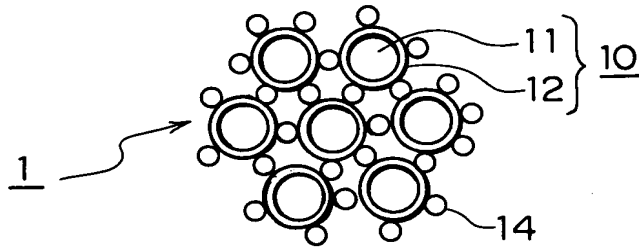


FIG. 2C

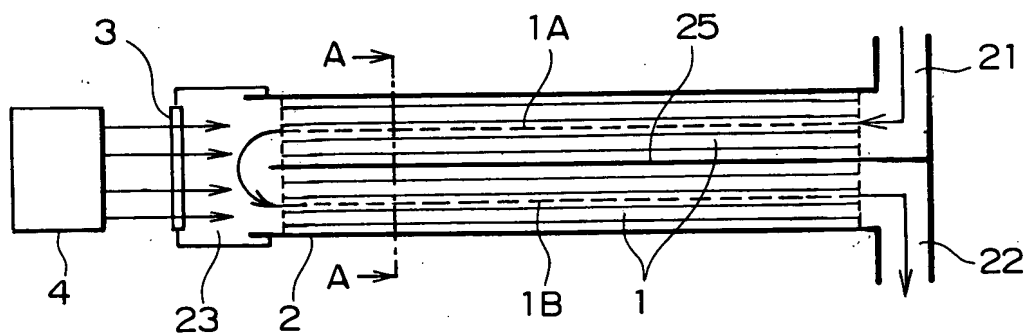


FIG. 3A

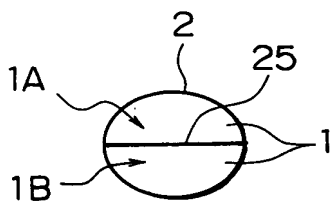


FIG. 3B

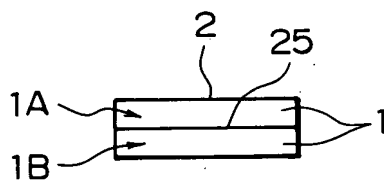


FIG. 3C

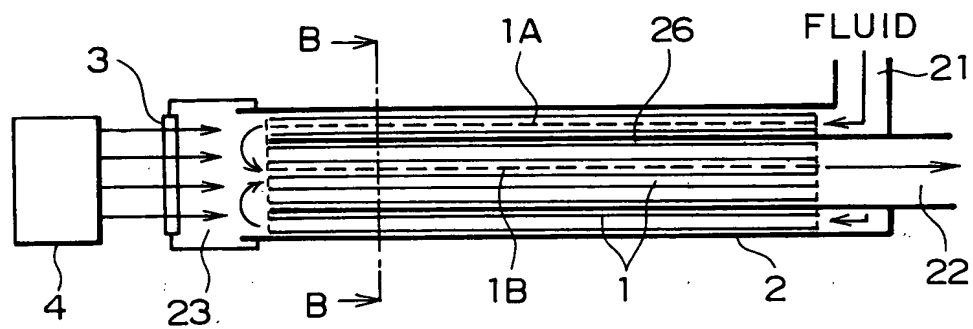


FIG. 4A

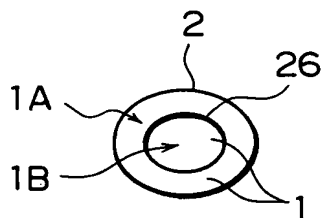


FIG. 4B

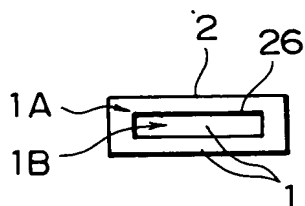


FIG. 4C

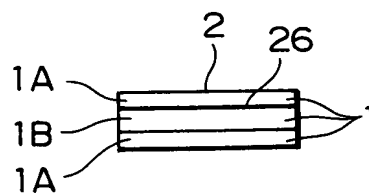
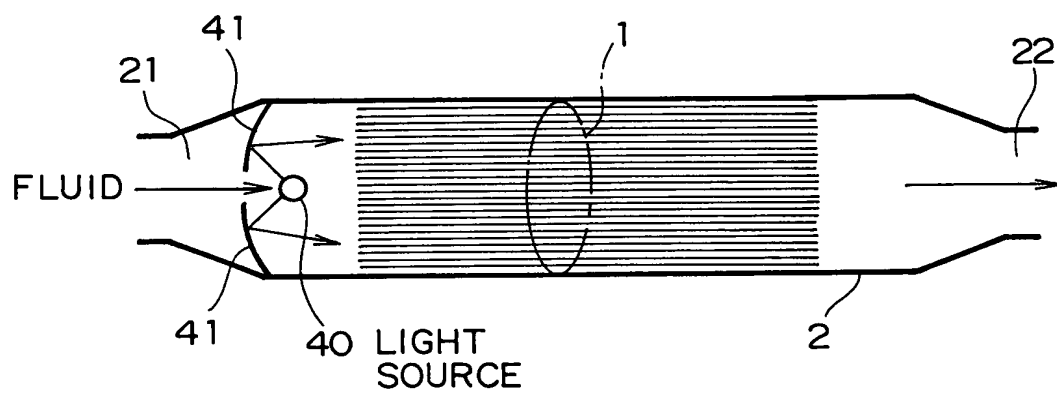


FIG. 4D

000290 82950960



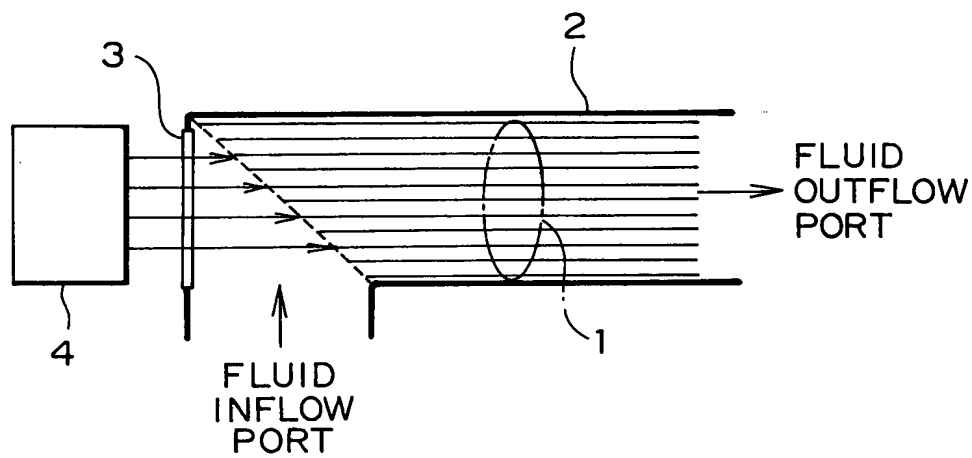


FIG. 7A

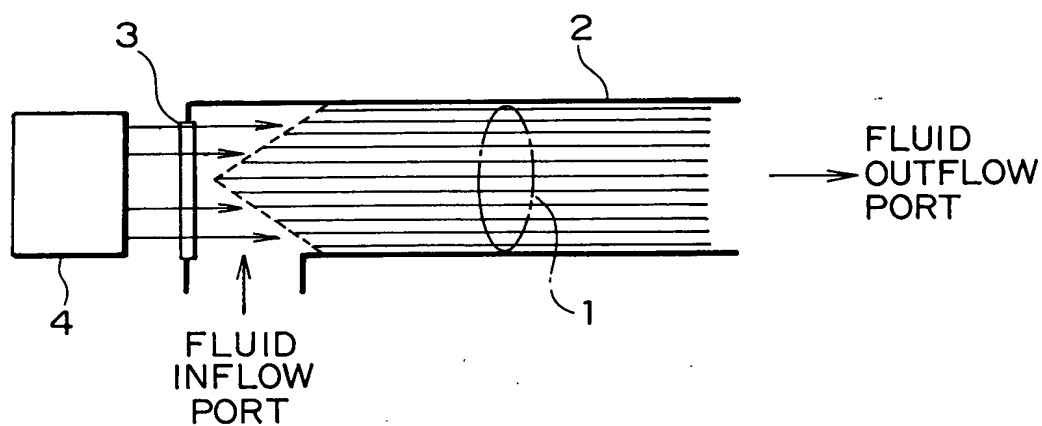


FIG. 7B

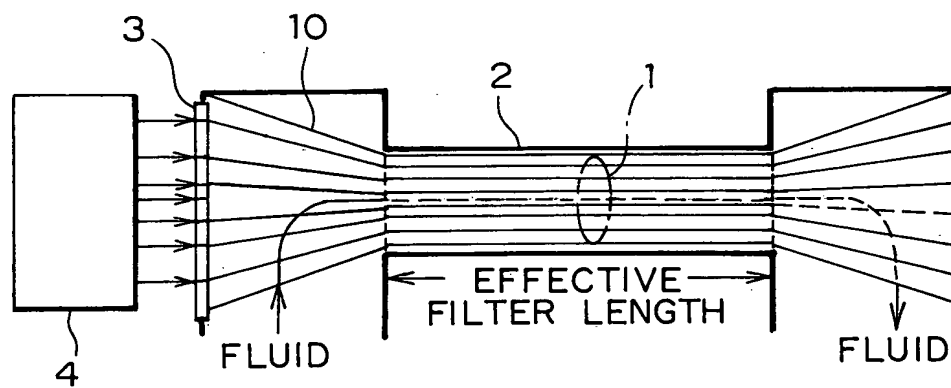


FIG. 8A

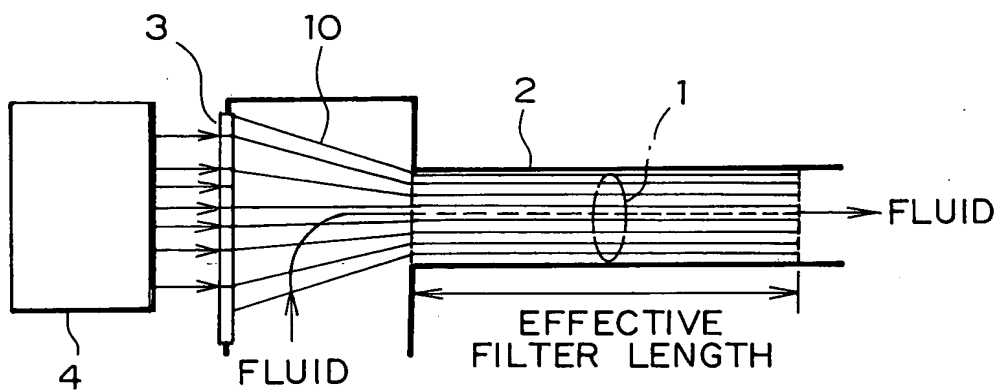


FIG. 8B

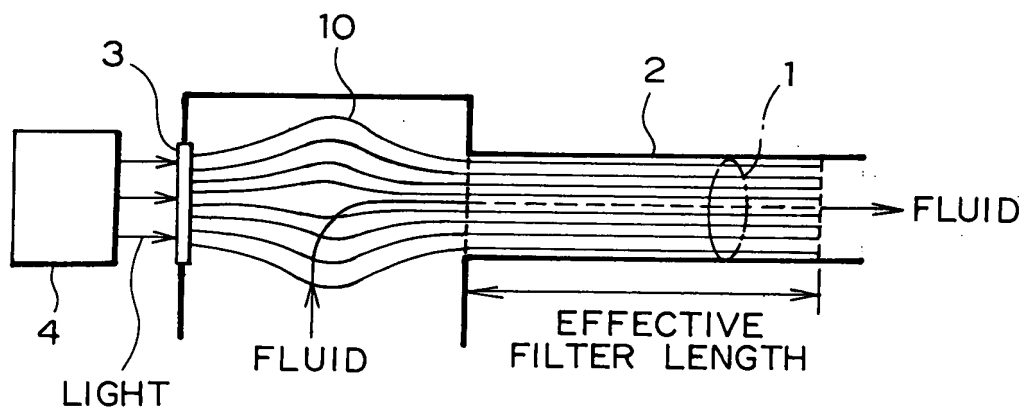


FIG. 8C

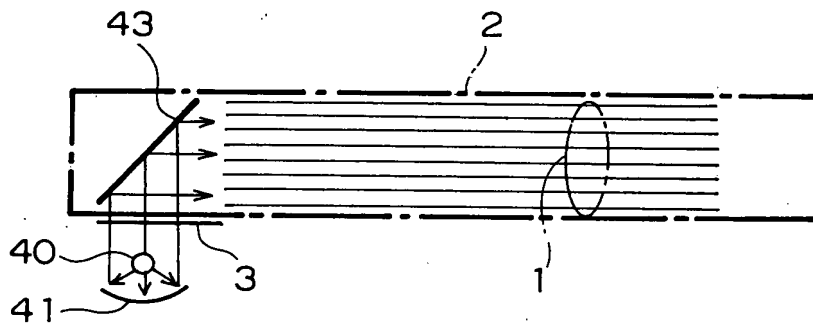


FIG. 9A

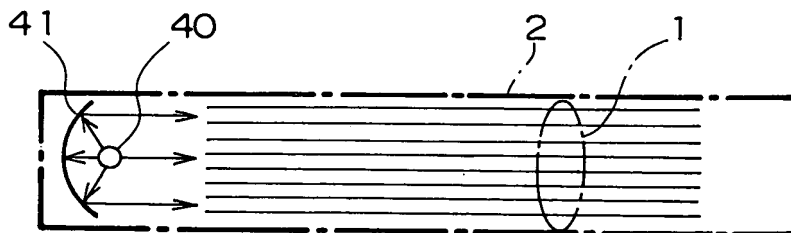


FIG. 9B

A schematic diagram of a laser resonator 1. It consists of a central gain medium 2, represented by a series of horizontal lines, flanked by two mirrors 40 and 41. The mirrors are depicted as curved lines with inward-pointing arrows. Arrows within the gain medium indicate the direction of light propagation. The entire assembly is enclosed in a dashed rectangular frame.

10

11

12

15

PRIMARY LIGHT

SECONDARY LIGHT

1

FIG. 10